


**LEXDEN AND WINSTREE
RURAL DISTRICT COUNCIL**

**ANNUAL
REPORT**

Medical Officer of Health, 1938

**COLCHESTER :
THE ESSEX TELEGRAPH, LTD.**



Digitized by the Internet Archive
in 2017 with funding from
Wellcome Library

<https://archive.org/details/b29730296>

Lexden and Winstree Rural District Council, 1938.

Public Health and Building Plans Committee—

Chairman : Rev. F. E. CRATE, J.P.

Vice-Chairman : Capt. S. E. COLLIER, M.C.

J. W. CAMPBELL, Esq., M.D.,	F. H. BUTCHER, Esq.
M.R.C.P., D.P.H.	R. H. LENNOX, Esq.
H. R. ARNOLD, Esq.	T. TAWELL, Esq.
J. F. DALTON, Esq.	R. C. WAGSTAFF, Esq.
L. W. DANIELL, Esq.	W. H. FILER, Esq.
Capt. F. T. FOLKARD.	H. E. THEOBALD, Esq.

Staff of the Public Health Department—

Medical Officer of Health :

W. H. ALDERTON, M.C., M.R.C.S., L.R.C.P., D.P.H.

Sanitary Inspector :

ALBERT HURD, M.R.S.I.

Assistant Sanitary Inspectors :

Senior : K. H. WHARTON, M.S.I.A.

Junior : I. L. FISHER, A.R.S.I.

CONTENTS.

	Page
Statistics and Social Conditions of the Area	4
Extracts from Vital Statistics	5
Deaths in Various Age Groups	5
Causes of Death Table	6
Infant Mortality Table	6
Health Services in the Area	7-8
Sanitary Circumstances of the Area	8-15
Sanitary Inspector's Report	16-19
Housing Statistics	20-22
Inspection and Supervision of Food	23-24
Prevalence and Control over Infectious Disease	24-25
Table showing Incidence of Tuberculosis	26
Table of Notifiable Diseases	26
Factories and Workshops	27-28

*Rebow Chambers, Sir Isaac's Walk, Colchester,
17th May, 1939.*

TO THE CHAIRMAN AND MEMBERS OF THE LENDEN
AND WINSTREE RURAL DISTRICT COUNCIL.

Mr. Chairman, Ladies and Gentlemen,

I have pleasure in presenting my report on the Health and Vital Statistics of the District for the year 1938.

The arrangement of the report follows that laid down in the Ministry of Health Circular 1728 dated 25th October, 1938.

The year has been an anxious one as far as certain of the Public Water Supplies have been concerned, but happily the causes of dangers affecting them appear to have been discovered and adequate steps taken to prevent recurrence.

The death rate remains the same as last year, but in connection with this it should be noted that fewer persons died in the younger age periods ; for example, there were only 21 deaths under 35 years of age compared with 37 in the previous year.

I would like to take this opportunity of thanking members of the Council for their support and to place on record my appreciation of the co-operation and loyalty of my staff.

I have the honour to be,

Your Obedient Servant,

W. H. ALBERTON.

Lexden and Winstree Rural District Council.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

AREA—66,152 acres (approximately).

REGISTRAR - GENERAL'S ESTIMATE OF RESIDENT
POPULATION, 1938—19,720.

NUMBER OF INHABITED HOUSES (end of 1938) according
to Rate Books—6,705.

RATEABLE VALUE—£101,446.

SUM REPRESENTED BY A PENNY RATE—£424.

SOCIAL CONDITIONS.

There has been no material alteration of the social conditions in the district during the year. The Council's schemes and also construction of works by the South Essex Waterworks Company continued to provide extra work for males. It is anticipated that other Council Schemes will provide further employment in the near future.

EXTRACTS FROM VITAL STATISTICS OF THE YEAR.

Live Births	{	Legitimate ..	Total 260	M. 138	F. 122	Birth Rate per 1,000 of estimated resident population =13·9
		Illegitimate ..	14	6	8	

Stillbirths	{	Legitimate ..	6	6	—	Rate per 1,000 total births=25·5
		Illegitimate ..	1	—	1	

Deaths	252	122	130	Death Rate per 1,000 of estimated resident population =12·7
--------	----	----	----	-----	-----	-----	---

Adjusted Death Rate for comparison 9·8 per 1,000

Deaths from Puerperal Causes.

			Deaths	Rate per 1,000 total births
Puerperal Sepsis	—	—
Other Puerperal causes	—	—

Death Rate of Infants under 1 year of age—

All Infants per 1,000 live births	..	..	25·5
Legitimate Infants per 1,000 legitimate live births	..	..	26·9
Illegitimate Infants per 1,000 illegitimate live births	..	..	—

Deaths from Cancer (all ages)	..	..	..	47
„ Measles (all ages)	..	..	..	—
„ Whooping Cough (all ages)	..	..	..	—
„ Diarrhœa (under 2 years of age)	..	..	..	1

Deaths in various age groups (local statistics):—

Age.					No. of Deaths.
0—1 year	..	..	..	..	7
1—2 years	..	..	..	..	1
2—5 years	..	..	..	..	—
5—15 years	..	..	..	..	3
15—25 years	..	..	..	..	5
25—35 years	..	..	..	..	5
35—45 years	..	..	..	..	10
45—55 years	..	..	..	..	21
55—65 years	..	..	..	..	36
65—75 years	..	..	..	..	56
75 and upwards	..	..	..	..	108

Total 252

<i>Causes of Death.</i>							M.	F.
Tuberculosis of Respiratory System	..	..	..	..	..	..	5	6
Other Tubercular Diseases	..	..	..	..	..	..	1	1
Cancer, Malignant Disease	..	..	..	..	..	..	18	29
Diabetes	..	..	..	..	..	..	1	0
Cerebral Hæmorrhage, etc.	..	..	..	..	..	..	7	7
Heart Disease	..	..	..	..	..	..	44	38
Other Circulatory Diseases	..	..	..	..	..	..	4	5
Bronchitis	..	..	..	..	..	..	4	1
Pneumonia (all forms)	..	..	..	..	..	..	3	8
Poliomyelitis	..	..	..	..	..	..	1	0
Other Respiratory Diseases	..	..	..	..	..	..	1	1
Other Digestive Diseases	..	..	..	..	..	..	2	1
Acute and Chronic Nephritis	..	..	..	..	..	..	2	5
Congenital Debility and Malformation, Premature Birth, etc.								
	..	..	..	..	..	..	1	4
Senility	..	..	..	..	..	..	3	4
Suicide	..	..	..	..	..	..	4	2
Other Violence	..	..	..	..	..	..	5	3
Other Defined Diseases	..	..	..	..	..	..	11	11
Other Liver Diseases	..	..	..	..	..	..	2	1
Diarrhoea	..	..	..	..	..	..	1	0
Appendicitis	..	..	..	..	..	..	1	1
Cirrhosis of Liver	..	..	..	..	..	..	0	1
G.P.I. Tabes, etc.	..	..	..	..	..	..	1	1
							122	130

Infant Mortality Table.

<i>Cause of Death.</i>	0-1 wks.	1-2 wks.	2-3 wks.	3-4 wks.	Total under 1 mth.	1-3 mths.	3-6 mths.	6-9 mths.	9-12 mths.	Total under 12mths.
Premature Birth	2	0	0	0	2	0	0	0	0	2
Asphyxia	2	0	0	0	2	0	0	0	0	2
Convulsions	0	0	0	1	1	0	0	0	0	1
Persistent Vomiting	0	0	0	0	0	1	0	0	0	1
Bronchitis	0	0	0	0	0	0	1	0	0	1
Totals	4	0	0	1	5	1	1	0	0	7

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

PUBLIC HEALTH OFFICERS OF THE LOCAL AUTHORITY.

The Medical Officer of Health, W. H. Alderton, M.C., M.R.C.S., L.R.C.P., D.P.H. He is also Medical Officer of Health to neighbouring Urban Districts and Assistant Medical Officer to the County Council.

The Sanitary Inspector, A. Hurd, M.R.S.I. He is also the qualified Food Inspector for the District Council and devotes his whole time to their service.

The Senior Assistant Inspector, K. H. Wharton, M.S.I.A. He devotes his whole time to the service of the Council, and is also a qualified Food Inspector.

The Junior Assistant Inspector, I. L. Fisher, A.R.S.I. He is employed chiefly with the administration of the Council's Town Planning Scheme.

The Clerk, O. S. Dalton who devotes part of his time to the Medical Officer and part to the Sanitary Inspector.

Junior Clerk, J. H. Perkins.

LABORATORY FACILITIES.

The Counties Laboratory, Queen Victoria Street, London, has available during the year for the examination of specimens from this District. There has been no alteration in the detailed arrangement of the facilities provided. The cost of this service is borne by the County Council.

AMBULANCE FACILITIES.

The Ambulance service for the District has been adequate during the year and the arrangement with the Colchester Corporation has remained in force.

NURSING IN THE HOME.

There has been no change in the nursing services in the district.

CLINICS AND TREATMENT CENTRES.

The same facilities for the use of Clinics and Treatment Centres as set out in previous reports have been in operation during the year.

SANITARY CIRCUMSTANCES OF THE AREA.

WATER.

ABBERTON AND DISTRICT WATER SUPPLY.

This supply has been satisfactorily maintained during the year, and the following analysis shows it to be pure and wholesome :

Chemical Results in Parts per 100,000.

Appearance—Clear and bright. Colour—Normal. Odour—None.
 Reaction pH.—Neutral—7.7. Free Carbonic Acid—None.
 Electric Conductivity at 20° C.—2460
 Total Solids, dried at 180° C.—164.0
 Chlorine in Chlorides—65.0
 Alkalinity as Calcium Carbonate—32.5
 Hardness: Total 13.0
 Temporary—13.0
 Permanent—0.0
 Nitrogen in Nitrates—0.04. Nitrites—Absent.
 Free Ammonia—0.0004 Ammoniacal Nitrogen—Nil
 Albuminoid Ammonia—0.0020 Albuminoid Nitrogen—Nil
 Oxygen absorbed in 4 hours at 80° F.—0.030
 Metals—Iron 0.003

Bacteriological Results.

No. of Bacteria growing on Agar per c.c. or ml. in—
 1 day at 37° C.—15
 2 days at 37° C.—35
 3 days at 20° C.—0
 The Bacillus Coli—Present in — Absent in 50 c.c.
 Bacillus Welchii—Present in — Absent in —
 (B. Enteritidis Sporogenes.)

There have been no extensions made to this supply during the year.

EAST DONYLAND WATER SUPPLY.

Considerable difficulty has been experienced with this supply during the year.

In February, following abnormal tides, complaints of the water having a salty taste were received. As it appeared that the public supply was contaminated, it was discontinued on 17th February and a supply obtained from the Borough of Colchester through our mains. Considerable pumping reduced the salinity, though *Bacillus Coli* was present in 50 c.c.; a sample of water analysed on 28th February showed that it was back to normal.

In the meantime inspections of surrounding properties revealed a probable source of contamination. A neighbouring works possessing a bore into the chalk was inspected; a well at the head of the bore was found to have a pervious gravel bottom, and the sides of the well, constructed of concrete cylinders, were also found to be defective, a large volume of water from the surrounding gravel subsil poured into the well, and it was estimated that between two and three thousand gallons per hour passed down the bore to the underground supply.

Instructions to make the well impervious to surface water were given; at the same time conveniences on the property were ordered to be converted to pails on a concrete base, and arrangements for their regular collection were made. The local supply was reverted to on 6th April. Other bores in the neighbourhood were inspected, and those found were satisfactory.

Information of the existence of an old disused bore in the neighbourhood was received, but for months it was impossible to locate it; when this was eventually found the owners were only traced with considerable difficulty, by which time an analysis of the public supply showed the presence of more organisms than usual. Permission to expose the bore and its surroundings was obtained, and investigation showed that it was defective.

Analysis of the water in the well at the head of the bore showed that it contained *Bacillus Coli* in 50 c.c. This bore has now been sealed to a depth of 31 feet.

Whilst these operations were in progress the public supply suddenly showed a marked deterioration, and *Bacillus Coli* were found in 10 c.c. This was immediately traced to a defect in the wall of the well at the pumping station, and this had been aggravated by flooding of surrounding properties. This necessitated obtaining

a further supply from the Borough of Colchester on 26th January, 1939.

Continuous pumping and cleaning of the well has now got rid of the pollution, but uneasiness will still continue to be felt until the sewerage of this parish is completed. In the meanwhile it is necessary to exercise vigilance with this supply.

The following final analysis shows the water to be pure and wholesome :

Chemical Results in Parts per 100,000.

Appearance—Clear and Bright. Colour—Normal. Odour—None.
 Reaction pH.—Neutral 7·7 Free Carbonic Acid—1·0.
 Electric Conductivity at 20° C.—1700
 Total Solids, dried at 180°C—113·5
 Chlorine in Chlorides—10·0. Alkalinity as Calcium Carbonate—35·0
 Hardness : Total 13·5
 Temporary—13·5
 Permanent 0·0
 Nitrogen in Nitrates—Absent Nitrites—Absent
 Free Ammonia—0·1080 Ammoniacal Nitrogen—Nil
 Albuminoid Ammonia—0·0004 Albuminoid Nitrogen—Nil
 Oxygen absorbed in 4 hours at 80° F.—0·030
 Metals—Iron 0·010 (other metals absent)

Bacteriological Results.

No. of Bacteria growing on Agar per c.c. or ml. in—

1 day at 37° C.—30

2 days at 37° C.—58

3 days at 20° C.—

The Bacillus Coli— Present in — Absent in 50 c.c.

Bacillus Welchii— Present in — Absent in 50 c.c.

(B. Enteritidis Sporogenes).

EAST MERSEA WATER SUPPLY.

The question of supplying the parish of East Mersea with a public supply was considered during the year. The Council's engineers were asked to submit a scheme for the supply of this Parish either by extension of the mains of West Mersea Urban District by independent means.

The report showed that the cost would be out of all proportion to the revenue likely to be received, and as there is no urgent need on grounds of Public Health, the Council did not proceed with the scheme.

COLNE AND STOUR VALLEY WATER SUPPLY.

The deposit referred to in the last report continued to give trouble, and its cause was further investigated. It was satisfactorily shown that the deposit was mainly ferric oxide which deposited in the mains in certain sections of supply. It was found that water, which had passed through the water tower was clear of this deposit, as it had been thrown out of solution to collect on the floor of the tank. Means were therefore taken to supply water to consumers which had been efficiently aerated and which had passed through the Tower. Up to the present time this procedure appears to have solved the difficulty.

The supply has been well maintained, and analysis of the softened water shows it to be of satisfactory quality.

Chemical Results in Parts per 100,000.

Appearance—Clear and Bright. Colour—Normal. Odour—None.

Reaction pH. Neutral 7.5 Free Carbonic Acid—

Electric Conductivity at 20° C. 959.

Total Solids, dried at 180° C. 63.0.

Chlorine in Chlorides 15.0. Alkalinity as Calcium Carbonate—30.0

Hardness: Total 11.5.

Temporary—11.5

Permanent—0.0

Nitrogen in Nitrates—Nil. Nitrites absent.

Free Ammonia—0.0000 Ammoniacal Nitrogen—

Albuminoid Ammonia—0.0000 Albuminoid Nitrogen—

Oxygen absorbed in 4 hours at 80° F.—0.020

Metals: Absent.

Bacteriological Results.

No. of Bacteria growing on Agar per c.c. or ml. in—

1 day at 37° C.—5

2 days at 37° C.—26

3 days at 20° C.—0

The Bacillus Coli— Present in — Absent in 50 c.c.

Bacillus Welchii— Present in — Absent in —

(B. Enteritidis Sporogenes)

The following extensions were approved during the year:—

At Stanway from Blackpit's Farm, Blackberry Lane, to Stanway Green, a distance of 1.250 yards.

At Langham from Park Lane to Allstop Restaurant, including Wick Road, a distance of 1.785 yards.

At Chappel to supply Bacon's Farm, a distance of 700 yards.

At Great Tey to supply Moor Farm, a distance of 150 yards.

At Mount Bures—New 7in. Distributing Main from Pumping Station to Water Tower, a distance of approximately two miles.

TIPTRIE AND DISTRICT WATER SUPPLY.

This supply has been satisfactorily maintained. Further investigations were undertaken in view of the complaints of the furring up of pipes and utensils, and a firm of water softeners was consulted regarding the cost of a plant on the lines suggested by the Counties Laboratory. As this was very considerable and not a justifiable expense, the matter was allowed to drop.

Analysis of the supply was found to be satisfactory, the result being appended :—

Chemical Results in Parts per 100,000.

Appearance—Slight opalescence, with few particles of mineral debris.

Turbidity : Silica Scale : 6 ppm.

Colour—Normal. Odour—Nil.

Reaction pH.—Neutral 7·3. Free Carbonic Acid—1·3.

Electric Conductivity at 20° C.—945

Total Solids, dried at 180° C —63·0

Chlorine in Chlorides—14·4 Alkalinity as Calcium Carbonate 27·5

Hardness : Total 14·0

Temporary—14·0

Permanent—0·0

Nitrogen in Nitrates—Nil. Nitrites—Absent.

Free Ammonia—0·0470 Ammoniacal Nitrogen—

Albuminoid Ammonia—0·0020 Albuminoid Nitrogen—

Oxygen absorbed in 4 hours at 80° F.—0·025

Metals—Iron 0·020. In solution—0·010. Zinc—Absent

Bacteriological Results.

No. of Bacteria growing on Agar per c.c. or ml. in—

1 day at 37° C.—1

2 days at 37° C.—1

3 days at 20° C.—

The Bacillus Coli—Present in — Absent in 50 c.c.

Bacillus Welchii—Present in — Absent in —

(B. Enteritidis Sporogenes).

During the year the following extension was approved :

At Birch from Heath Farm to Hutton's New Works, a distance of 1,300 yards.

The following table sets out the various samples taken and the results of analyses of waters in the various Parishes; it includes simple Chemical, Bacteriological and also complete analyses:—

<i>Parish</i>	<i>Total.</i>	<i>Satisfactory.</i>	<i>Unsatisfactory.</i>	<i>Suspicious.</i>
Aldham	6	5	1	—
Bergholt, West	22	7	15	—
Birch.....	1	1	—	—
Boxted	3	2	1	—
Chappel	1	1	3	—
Colne, Wakes	1	2	2	—
Copford	3	1	2	—
Dedham	5	3	2	—
Donyland, East	4	1	3	—
Easthorpe	1	1	—	—
Fingringhoe.....	1	1	—	—
Fordham	14	4	10	—
Horkesley, Great.....	10	1	9	—
Langenhoe	2	2	—	—
Langham	6	2	4	—
Layer-de-la-Haye	2	1	1	—
Mersea, East	8	5	3	—
Stanway	2	2	—	—
Tey, Great	5	1	4	—
Tey, Marks	2	1	1	—
Tiptree	7	2	5	—
	—	—	—	—
Totals	112	46	66	-
	—	—	—	—

The following table shows the results of complete analyses of samples taken from Public Supplies during the year:—

	<i>Total.</i>	<i>Satisfactory.</i>	<i>Unsat.</i>
Abberton & District Public Supply	1	1	—
East Donyland Public Supply	12	11	1
Colne & Stour Valley Public Supply ..	7	7	—
Tiptree & District Public Supply	3	3	—
	—	—	—
	26	25	1
	—	—	—

DRAINAGE AND SEWERAGE.

DEDIHAM SEWERAGE WORKS.

During the year as a result of frequent analyses of the effluent these works were found to be unsuitable for the work for which they were constructed, and the Engineers were asked to report on their adequacy. In June this report was received, and stated that the works should be enlarged by the addition of further units at a cost of £1,900.

The Ministry of Health Public Enquiry was held to enquire into the necessity for this enlargement, and approval was received during the year.

EAST DONYLAND SEWERAGE SCHEME.

The work of sewerage the Parish of East Donyland has now been started, and at the present time the work is progressing well. The sewage from this Parish, when the scheme is completed, will drain into the existing sewer of the Colchester Corporation situated near the Council's boundary.

The complete scheme will be finished about March, 1940.

CLOSET ACCOMMODATION.

The Sanitary Inspector's report shows details of conversion of the various types of closets to water closets and provision of pail closets.

RIVERS AND STREAMS.

No action was necessary to check the pollution of rivers and streams during the year.

PUBLIC CLEANSING.

A weekly collection of house refuse is being made in the Parish of East Donyland.

In the following parishes unburnable refuse is collected:—Tiptree, Fordham, Aldham, Marks Tey, Stanway, Copford, Birch, Layer-de-la-Haye, Langenhoe and Abberton.

The collections in these parishes vary from monthly to quarterly.

SHOPS.

No action was taken under the Shops Act, 1934, during the year.

CAMPING SITES.

Number of sites in the area which were used for camping purposes during 1938—One used by the County Council for children from their homes.

Number of camping sites in respect of which licences have been issued by the local authority under Section 269 of the Public Health Act, 1936—0.

The estimated maximum number of campers resident in the area at one time during the Summer season of 1938—100.

SMOKE ABATEMENT.

No action was required for the abatement of nuisance arising from smoke.

SWIMMING BATHS AND POOLS.

There are no swimming baths in the district open to the public.

SCHOOLS

The sanitation at Boxted C. of E. School has been changed to the Peat Conservancy System with very satisfactory results, and the sanitary condition of elementary schools in the district is satisfactory. All, with the exception of two at Dedham, are on the conservancy system.

There are now 21 schools in the district connected to the Council's main.

ERADICATION OF BED BUGS.

No house in the district was found to be infested with bed bugs during the year.

SANITARY INSPECTOR'S REPORT.

7th February, 1939.

THE CHAIRMAN AND MEMBERS OF THE LEXDEN AND WINSTREE RURAL DISTRICT COUNCIL.

MR. CHAIRMAN, LADIES AND GENTLEMEN,

I beg to submit my report of work carried out during the year ending 31st December, 1938.

INSPECTIONS.

Premises Inspected—Public Health Acts	..	..	459	
Housing Act, 1936	..	..	272	
Housing Act, 1936 (Overcrowding)	..	..	62	
			<hr/>	793
Work in progress and property under notice (visits thereto) ..	..	..	..	2053
Slaughter Houses inspected	..	..	..	681
Butchers' Shops and Food Stores inspected	..	..	..	469
Ice Cream Stores inspected	..	..	..	31
Dairies and Cowsheds (Number of registered premises inspected)	..	..	..	813
Bakehouses inspected	..	..	..	59
Factories and Workplaces inspected	..	..	..	122
Appointments and Interviews with Property Owners, etc.	..	..	..	348
Number of Complaints received	..	..	..	76
Samples of Water taken for analysis	..	..	..	138
Samples of Milk taken for bacteriological examination	..	..	..	5

RESULT OF ABOVE INSPECTIONS AND ACTION TAKEN.

Informal Notices served	..	..	..	..	..	463
Statutory Notices served—						
Public Health Act, 1936	..	..	..	..	19	
Housing Act, 1936	..	..	..	..	2	
					<hr/>	21
Statutory Notices complied with—						
Public Health Act, 1936	..	..	..	..	17	
Housing Act, 1936	..	..	..	..	3	
					<hr/>	20
Houses disinfected	..	..	..	..	..	64
Number of houses inspected considered unfit for human habitation						99
„ „ Representations made with a view to making Demolition Orders	..	..	..	..	..	16
„ „ Representations made under Slum Clearance Schemes	..	..	..	..	..	50
„ „ Demolition Orders made under Sec. 11, Housing Act, 1936	..	..	..	..	..	18
„ „ Houses demolished by owners following Demolition Orders	..	..	..	..	..	10
„ „ Houses demolished by Council in default following Demolition Orders	..	..	..	..	..	1
„ „ Houses demolished by Owners voluntarily	..	..	..	..	..	5
„ „ Closing Orders made under Section 12, Housing Act, 1936	..	..	..	..	..	0
„ „ Houses in respect of which Owners have undertaken not to use for human habitation, Section 11, Housing Act, 1936	..	..	..	..	..	6

FOOD INSPECTION.

I give below particulars of carcasses inspected :—

	Cattle excluding			Sheep and	
	Cows	Cows	Calves	Lambs	Pigs
Number killed	598	4	13	1597	1661
Number inspected	598	4	13	953	1521

The weight of unsound meat condemned during the year, exclusive of offal, was 4652 lbs.

CARCASSES AND ORGANS CONDEMNED AS UNFIT FOR HUMAN CONSUMPTION.

	Cattle excluding Cows	Cows	Calves	Sheep and Lambs	Pigs
All diseases except Tuberculosis—					
Whole carcasses con- demned	0	0	1	2	2
Carcases of which some part or organ was condemned ..	12	0	0	1	6
Percentage of the number inspected affected with dis- ease other than tuberculosis ..	2.006	0	7.69	.629	.5259
Tuberculosis only—					
Whole carcasses con- demned	2	1	0	0	1
Carcases of which some part or organ was condemned ..	22	0	0	0	91
Percentage of the number inspected affected with tuber- culosis	4.01	25	0	0	6.24
Particulars of the carcasses and organs condemned are given below :					
Carcases of Oxen (Tuberculosis)					3
Carcases of Pigs (Tuberculosis)					4
Carcases of Pigs (Peritonitis)					1
Carcases of Pigs (Dropsical condition)					1
Carcases of Sheep (Emaciation)					1
Carcases of Sheep (Imported) (Decomposition)					5
Carcases of Sheep (Dropsical Condition)					1
Carcases of Calves (Navel and Joint Ill)					1
Parts of Pig Carcasses (Heads and Tongues, etc.) (Tuberculosis)					56
Parts of Pigs' Carcasses (Abscesses)					1
Parts of Carcasses of Oxen (Localized Tuberculosis)					11
Parts of Carcasses of Oxen (Bruised condition)					1
Parts of Carcasses of Oxen (Heads and Tongues) (Actinomycosis)					1

ORGANS.

Beasts' Livers (Abscesses)	3
Beasts' Livers (Tuberculosis)	6
Beasts' Livers (Distomatosis)	7
Beasts' Livers (Cavernous Angioma)	1
Beasts' Mesenteries (Tuberculosis)	7
Pigs' Livers (Cirrhosis)	3
Pigs' Livers (Tuberculosis)	4
Pigs' Kidneys (Nephritis)	2
Sets of Lungs (Tuberculosis, etc.)	14
Pigs' Mesenteries (Tuberculosis)	51
Sheeps' Livers (Parasitic)	3

DESCRIPTION OF WORK EXECUTED.

DAMPNESS.

Roofs Repaired (Number of Houses)	80
Damp Courses inserted (Number of Houses)	20
Damp Floors taken up and relaid (Number of Houses)	58
External Walls cement rendered or otherwise treated (Number of Houses)	68
Cottages provided with eaves spouting	20
Eaves spouting repaired or renewed	53
Sub soil drainage provided	7

DRAINAGE.

Houses without drains drained to Public Sewer	..	..	4
Houses with Cesspool drainage retrained to Public Sewer	..	..	2
Houses which were without proper means of drainage provided with drains discharging to Cesspools	..	..	17
Houses provided with drains and filters	..	..	2
Choked Drains and Cesspits cleared	..	..	15
Defective Drains repaired or relaid	..	..	17
Sinks provided	..	..	39
Baths provided	..	..	10

LIGHTING AND VENTILATION.

Windows repaired or renewed or made to open (Number of Houses)	..	..	89
Means of through ventilation provided (Number of Houses)	..	..	15
Houses provided with additional light	..	..	39
Food stores lighted and ventilated	..	..	17
Houses provided with food stores	..	..	27

CLEANLINESS.

Verminous premises cleansed	..	..	..	1
Dirty Houses cleansed	..	..	..	1
Accumulation of Refuse removed (Number of Houses)	..	..	..	13
Pigs, Fowls, &c., removed from vicinity of dwelling houses and wells	..	..	..	1
Rat infested premises cleared	..	..	..	1

CLOSET ACCOMMODATION.

Privies and Pail Closets converted to Water Closets	..	..	14
Privies converted to Pail Closets	..	..	7
Additional Water Closets provided	..	..	3
Additional Pail Closets provided	..	..	0
Pail Closets repaired or renewed	..	..	63
Water Closets provided with flushing cisterns	..	..	2

WATER SUPPLY.

Houses provided with supply from public mains	..	..	726
Houses provided with water supply by wells	..	..	3
Wells repaired and cleaned out	..	..	6
Sources of pollution removed (Number of Houses)	..	..	2
Polluted Wells (supply discontinued)	..	..	60
Water Services repaired (Number of Houses)	..	..	6

ASHPITS.

Ashbins provided	2
------------------	----	----	----	----	----	---

OVERCROWDING.

Overcrowding abated	41
---------------------	----	----	----	----	----	----

MISCELLANEOUS.

Floors repaired or renewed (Number of Houses)	..	..	80
Doors repaired or renewed (Number of Houses)	..	..	67
Internal plastering repaired or renewed (Number of Houses)	..	..	81
External plastering or boarding repaired or renewed (Number of Houses)	..	..	19
Ventilation provided under floors (Number of Houses)	..	..	19
Fireplaces repaired or renewed (Number of Houses)	..	..	43
Cooking Ranges repaired or renewed	..	..	42
Chimneys repaired (Number of Houses)	..	..	63
Stairs repaired or renewed (Number of Houses)	..	..	39
Stairs provided with handrails	..	..	19
Additional rooms provided	..	..	12
Wash-houses, coppers, etc., repaired or renewed (Number of Houses)	..	..	15
Houses provided with washing accommodation	..	..	8
Skirting Renewed	..	..	22
Defective external walls repaired or rebuilt (Number of Houses)	..	..	47
Internal walls repaired or rebuilt	..	..	11
Yard paving provided	..	..	24
Yard paving repaired	..	..	1
Dangerous outbuildings demolished	..	..	9
Height of rooms improved	..	..	8

FACTORIES.

Bakehouses refuse removed..	..	..	..	..	1
Bakehouses walls repaired ..	..	..	..	..	1
Bakehouses cleansed and linewashed	..	..	..	..	2
Factories provided with water from public mains	..	..	..	..	6
Factories pail closets converted to W.C.	..	..	..	..	1
Factories additional conveniences provided for females	..	..	..	..	1

SLAUGHTER HOUSES

Slaughter Houses cleansed and linewashed	1
--	----	----	----	----	---

COWSHEDS AND DAIRIES.

Cowsheds cleansed and linewashed ..	..	..	..	..	35
Cowshed dirty floors cleansed	..	..	..	..	30
Cowshed ventilation improved ..	..	..	..	..	3
Cowshed lighting improved..	..	..	..	..	7
Cowsheds provided with manure channels	..	..	..	..	1
Cowsheds paving repaired..	..	..	..	..	10
Cowshed walls repaired ..	..	..	..	..	11
Cowsheds drains repaired ..	..	..	..	..	5
Cowshed. Poultry removed ..	..	..	..	..	1
Cowsheds, new drains provided	..	..	..	..	3
New cowsheds constructed ..	..	..	..	..	6
Clean approaches to cowsheds provided	..	..	..	..	12
Manure removed from vicinity of cowshed	..	..	..	..	18
Dairy Farms provided with water from public mains	..	..	..	..	18
Dirty condition of utensils ..	..	..	..	..	20
Dirty condition of cows and milkers	..	..	..	..	14
Dairies cleansed and linewashed ..	..	..	..	..	2
New dairies provided ..	..	..	..	..	8
Dairies walls or ceilings repaired	..	..	..	..	5
Dairies floors repaired ..	..	..	..	..	4
New coolers provided ..	..	..	..	..	4
Sterilizing Outfits provided..	..	..	..	..	4
Washing coppers provided ..	..	..	..	..	1

I beg to remain,

Your obedient Servant,

ALBERT HURD,

Sanitary Inspector.

HOUSING STATISTICS.**1.—NUMBER OF NEW HOUSES ERECTED DURING THE YEAR.**

(i.) By the Local Authority	28
(ii.) By other Local Authorities	0
(iii.) By other bodies or persons	78
Total	106

2—INSPECTION OF DWELLING-HOUSES DURING THE YEAR

(1) (a) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	793
(b) Number of inspections made for the purpose	2846
(2) (a) Number of dwelling-houses (included under sub-head (1) above), which were inspected and recorded under the Housing Consolidated Regulations, 1925 and 1932.. .. .	272
Ditto. Housing Act (Overcrowding)	62
(b) Number of inspections made for the purpose	2137
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	99
(4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation	247

3—REMEDY OF DEFECTS DURING THE YEAR WITHOUT SERVICE OF FORMAL NOTICES.

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers	210
---	-----

4—ACTION UNDER STATUTORY POWERS DURING THE YEAR.

A—Proceedings under Sections 9, 10 and 16 of the Housing Act, 1936 :

(1) Number of dwelling-houses in respect of which notices were served requiring repairs	2
(2) Number of dwelling-houses which were rendered fit after service of formal notices—	
(a) By Owners	3
(b) By Local Authority in default of Owners ..	0

B—Proceedings under Public Health Acts :

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	19
(2) Number of dwelling-houses in which defects were remedied after service of formal notices—	
(a) By Owners	17
(b) By Local Authority in default of Owners ..	0

C—Proceedings under Sections 11 and 13 of the Housing Act, 1936 :

(1) Number of dwelling-houses in respect of which Demolition Orders were made	18
(2) Number of dwelling-houses demolished in pursuance of Demolition Orders	11
(3) Number of houses demolished voluntarily	5

D—Proceedings under Section 12 of the Housing Act, 1936 :

(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made	0
(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit	0

5—HOUSING ACT, 1936 : OVERCROWDING.

A—(1) Number of dwellings overcrowded at the end of the		
year	.. .. .	14
(2) Number of families dwelling therein	.. ..	14
(3) Number of persons dwelling therein	.. ..	111
B—Number of new cases of overcrowding reported during		
the year	.. .. .	7
C—(1) Number of cases of overcrowding relieved during the		
year	.. .. .	41
(2) Number of persons concerned in such cases	..	310
D—Particulars of any cases in which dwelling-houses have		
again become overcrowded after the Local Authority		
have taken steps for the abatement of overcrowding		None
E—Any other particulars with respect to overcrowding con-		
ditions upon which the Medical Officer of Health		
may consider it desirable to report.		

A number of cases of overcrowding have been relieved during the year, 41 cases having been dealt with, and 19 families have been rehoused by the erection of dwellings by the Council.

INSPECTION AND SUPERVISION OF FOOD.

MILK SUPPLY.

The cleanliness of milk in the district still maintains its satisfactory standard, and there are very few dairy farmers who are not accredited producers. There are also three producers of Tuberculin Tested Milk.

Regular visits are paid to all farms and dairies in the district to ensure the maintenance of the high standard of milk produced. The Milk and Dairies Order is complied with in all cases.

A further watch is kept upon the milk supply in the district by the Essex County Council, who submit numerous samples to the Counties Laboratory. On the results of these the Inspectors are able to check the cleanliness of production generally.

MEAT AND OTHER FOODS.

Regular visits have been paid to Butchers' Shops, Slaughter-houses and other premises where food is stored or offered for sale. From the Sanitary Inspector's report it will be seen that the number of carcasses inspected was considerable, and out of a total of 3,873 animals killed 3,089 were inspected. A total of 4,652lbs. of unsound meat was condemned as a result of these inspections. The exact details, in tabular form, are shown in the Sanitary Inspector's part of this report.

ADULTERATION, ETC.

Action under the various Food and Drugs (Adulteration) Acts is taken by officers of the County Council.

CHEMICAL & BACTERIOLOGICAL EXAMINATION OF FOOD.

The Counties Laboratory, 91, Queen Victoria Street, is available for this service.

In addition to examinations of food, etc., various clinical examinations are undertaken.

The actual work done for the District is detailed below:—

<i>Specimen.</i>	<i>No. examined.</i>
Diphtheria	22
Sputa	12
General	4
Milk	1
Water	57
Total	96

NUTRITION.

Dissemination of knowledge is undertaken through the various Child Welfare Centres, under the supervision of the County Council.

Cookery Demonstrations have been held at certain centres monthly throughout the year.

SHELLFISH.

There are no layings or shellfish beds in the District, and the amount of shellfish in the Rural District is small.

PREVALENCE OF AND CONTROL OVER INFECTIOUS DISEASE.

Notifiable infectious disease has been more prevalent during the year. Out of a total of 90 cases in all, 61 were accounted for by scarlet fever, the number for this disease being almost double last year's figure. The cases were widespread throughout the area; in all 21 parishes were affected, and the greatest number (9) occurred in the Parish of East Donyland.

Although the district was surrounded by areas where Anterior Poliomyelitis (Infantile Paralysis) was very prevalent, only four cases were notified in the district, all of which occurred in the same parish within about half-a-mile of one another.

No alteration in the arrangement with Colchester Corporation for hospital accommodation at their Isolation Hospital has been made during the year. The beds have been used to the best advantage, and have proved sufficient for the needs of the area. Only selected cases are sent to hospital, usually cases of notifiable infectious disease, but occasionally non-notifiable cases are also sent.

The most prevalent non-notifiable infectious diseases which occurred during the year have been Whooping Cough 120, Chicken Pox 91, Mumps 53.

A certain number of chills and influenza also occurred in the early part of the year. The information regarding these diseases has as in former years been obtained chiefly from intimations from the schools. No action has been taken to provide active immunisation against Diphtheria or Scarlet Fever.

No use has been made in the district of Measles serum for the prophylaxis or attenuation of the disease.

PREVENTION OF BLINDNESS.

The Local Authority has agreed to the notification of blindness or threatened blindness by general practitioners, and this proposal has been submitted to the County Council, who provide the services of an Ophthalmic Specialist.

TUBERCULOSIS.

It has not been necessary to take any action under the Public Health (Prevention of Tuberculosis) Regulations, 1925, nor under Section 62 of the Public Health Act, 1925.

There were no deaths from Tuberculosis during the year which were un-notified.

The following table shows the incidence of and mortality from Tuberculosis during the year :—

TABLE SHOWING INCIDENCE OF TUBERCULOSIS IN 1938 AND THE DEATHS
FROM SAME CAUSE.

AGE PERIODS.	NEW CASES.						DEATHS.					
	Pulmonary.			Non-Pulmonary.			Pulmonary.			Non-Pulmonary.		
	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.	Total
0—1	—	—	—	—	—	—	—	—	—	—	—	—
1—5	—	—	—	2	—	2	—	—	—	—	—	—
5—10	—	—	—	4	1	5	—	—	—	—	—	—
10—15	—	—	—	—	—	—	—	—	—	—	—	—
15—20	1	—	1	2	1	3	—	—	—	—	—	—
20—25	—	1	1	1	—	1	1	1	1	—	—	—
25—35	—	1	1	1	3	4	—	—	—	1	1	2
35—45	2	3	5	1	—	1	3	1	1	—	—	—
45—55	—	—	—	1	—	1	—	—	—	—	—	—
55—65	1	—	1	—	—	—	—	—	—	—	—	—
Over 65 and upwards	—	—	—	1	1	2	—	1	1	—	—	—
Totals ..	4	5	9	13	6	19	4	4	8	2	—	2

TABLE OF NOTIFIABLE DISEASES IN 1938.

DISEASE.	TOTAL CASES NOTIFIED.								Cases Admitted to Hospital.	Deaths.
	Total.	0—1 Year.	1—5 Years.	5—15 Years.	15—25 Years.	25—45 Years.	45—65 Years.	Over 65 Years.		
Anterior Poliomyelitis	4	1	2	—	1	—	—	—	4	1
Pneumonia ..	18	2	6	5	1	3	—	1	—	—
Dysentery ..	2	—	1	—	—	1	—	—	—	—
Typhoid ..	1	—	—	—	—	—	1	—	1	—
Diphtheria ..	2	—	—	—	2	—	—	—	2	—
Erysipelas ..	2	—	—	—	—	1	—	1	—	—
Puerperal Pyrexia ..	1	—	—	—	—	1	—	—	1	—
Ophthalmia Neonatorum ..	1	1	—	—	—	—	—	—	—	—
Scarlet Fever ..	61	—	11	33	6	8	3	—	47	—
Total ..	92	4	20	38	10	14	4	2	55	1

Report on the administration of the

Factory and Workshop Act, 1901, and the Factories Act, 1937

(which superseded the Act of 1901 on 1st July, 1938).

1.—INSPECTIONS for purposes of provisions as to health.

INCLUDING INSPECTIONS MADE BY SANITARY INSPECTORS.

Premises. (1)	Number of		
	Inspections. (2)	Written Notices. (3)	Occupiers prosecuted. (4)
Factorles with mechanical power	42	7	—
Factories without mechanical power	80	10	—
†Other Premises under the Act (including works of building and engineering construction but not including outworkers' premises	—	—	—
†Electrical Stations shoould be reckoned as factories.	122	17	—
Total			

2.—DEFECTS FOUND

Particulars. (1)	Number of Defects.			Number of defects in respect of which Prosecutions were instituted. (5)
	Found. (2)	Remedied. (3)	Referred to H.M. Inspector (4)	
Want of Cleanliness (S.1)	3	3	—	—
Overcrowding (S.2)	—	—	—	—
Unreasonable temperature (S.3)	—	—	—	—
Inadequate ventilation (S.4)	—	—	—	—
Ineffective drainage of floors (S.6)	—	—	—	—
Sanitary Conveniences (S.7) { insufficient unsuitable or defective not separate for sexes	3	—	—	—
	3	1	—	—
	1	1	—	—
Other offences (Not including offences relating to Home Work or offences under the Sections mentioned in the Schedule to the Ministry of Health (Factories and Workshops Transfer of Powers) Order, 1921, and re-enacted in the Third Schedule to the Factories Act, 1937.)	7	7	—	—
Total	17	12	—	—

